		Recei	ving Rep	ort		
	Date: $\frac{9/9//2}{2}$		Batcl Dart	n No: <u>M</u> / P/O:	0386	
Packing Slip Invoice: Receipt:	Yes No Cash Cr	Q	elease Note A /aybill Attache hipment Com C6 Inspection /ork Order	ed: Ye plete: Ye	No No	N/A
Discrepancie Part		Quantity	Quantity	Quantity	Quantity	
Number	Description	Ordered	Received	Returned	Short	Comments
B.0	VOINE)			·	
,						
- W						
		Initials	of receiver	(if shipment	OK) Level	12//
Production// Date Received/Co Initial	<u>07/09118</u>				Locati	on

H:\FORMS\Purchasing\approved purch\RECREPORT Rev D



Magna Stainless

5775 Kieran St, Saint-Laurent QC H4S 0A3 Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105

INVOICE

RECEIVED SEP 2 3 2009

SOLD TO:

DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY , ON K6A 1K7

I016810 Pg 1 of 1

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN STREET

PURCHASE ORDER: PO10386

HAWKESBURY

INVOICE DATE:

ORDER DATE:

SHIP DATE:

K6A 1K7

MTR:Y 09/17/09 09/10/09 09/17/09 W018233 ORDER NUMBER:

, ON

	Currency			Sale	es Person	Ship Via	·	F.O.B.		Terms		
CA	NADIAN DOLL	ARS	ERYC	к вы	AIS	NIR:R-557065-1	PREPA	ID		NET 30 D	AYS	
Ln	Back Ordered	Or	dered	Unit		Description		Shipped	1	Price Per	Value	
			5	PC	ALUMINUM ROU ARB 6061 T6 5, L031280 1			5	UN	9.90	49.50	
			1	PC	MUST USE HT: 4 ARB 6061 T6 1- L031281 2			1	UN	50.00	£ 50.00	
	4		5	PC		LATS 2" x 2-1/2" x R/L 12'10" 1 PC/55 LB		1	UN	180.00		
			3	PC	SFL 304 3/4" >	x 2-1/2" x R/L 12'10" 3 PC/250 LB		3	UN	272.00	(<u>J</u> 816.00	
						·						
									:			
							_					

09/18/09 13:17:19

Total Due:

Q.S.T. # 1213236471 G.S.T. #881565899 RT0001 1,095.50

1,150.28

54.78

Merchandise:

Surcharges: No Tax Costs:

GST

Title to the goods sent out on this invoice remains with Magna Stainless Div of CSM ULC until such time as this invoice has been paid in full. Unless otherwise noted terms are 30 days. Interest accrues on all overdue accounts at the rate of 1.5% per month compounded monthly.

Purchase Order Receipt Listing

September 17, 2009 8:58:16 AM

All amounts are calculated in domestic currency.

All Vendors PO ID po10386 Receipt Dates from 9/17/2009 to 9/17/2009 All Line Item Types All Item ID/GL/WOs All Rec. Employees All Currencies Grouped by Reference (Item, WO, GL)

Purchase Order ID	Line Nbr/ Insp Req	Project ID	Vendor ID/ Name/ Currency Type	PO U/M / Stock U/M	Req Date	Req Qty	Recv Date/ Recv Emp	Recv Qty	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty	MRB Qty/ MRB Reject Qty	Book Amt
Reference: \D	escription			M30 500	4B0.500X2. 304 BA 2.50	R .500 x 112	697			,		
PO10386	8		VC-MAG002	f	9/10/2009	60.0000	9/17/2009	12.1000	\$15.00	0.0000	0	CX \$181.50
	No		Magna Stainless CAD	f			Stores		\$181.50	0.0000	0	23(
									Total Receive	ed Quantity:		12.1000
								Total Q	uantity to Inspec	t (PO U/M):		0.0000
									Total Reje	ct Quantity:		0.0000
		•							Total Re	ceipt Value:		\$181.50
Reference: \D	escription	ı		M3(500	04B0.750X2. 304 BA 2.50	.R .750 X 112	697					
	9		VC-MAG002	f	9/10/2009	48.0000	9/17/2009	36.3000	\$27.92	0.0000	0	(🕳 \$1,013.50
	No		Magna Stainless CAD	f ·			Stores		\$1,013.50	0.0000	0	
									Total Receive	ed Quantity:		48.4000
								Total Q	uantity to Inspec	t (PO U/M):		0.0000
									Total Reje	ct Quantity:		0.0000
									Total Re	eceipt Value:		\$1,013.50
Reference: \D	escription	1		M60	961T6R0.625 6061-T Bar .62		697					
	2		VC-MAG002	f	9/10/2009	60.0000	9/17/2009	60.0000	\$0.83	0.0000	0	\$49.50
	No		Magna Stainless CAD	f			Stores		\$49.50	0.0000	0	
									Total Receive	ed Quantity:		108.4000
								Total Q	uantity to Inspec	et (PO U/M):		0.0000
									Total Reje	ect Quantity:		0.0000
									Total Re	eceipt Value:		\$49.50

Purchase Order ID	Line Nbr/ Insp Req	Project ID	Vendor ID/ Name/ Currency Type	PO U/M / Stock U/M	Req Date	Req Qty	Recv Date/ Recv Emp	Recv Qty	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty	MRB Qty/ MRB Reject Qty	E	Book Amt
Reference: \D	escription			M600	61T6R1.125 6061 R BAR 1.		697						
PO10386	4		VC-MAG002	f	9/10/2009	12.0000	9/17/2009	20.0000	\$4.16	0.0000	0	(Y	\$83.20
	No		Magna Stainless CAD	f			Stores		\$83.20	0.0000	0		
									Total Receive	ed Quantity:			128.4000
								Total Q	uantity to Inspec	t (PO U/M):			0.0000
									Total Reje	ct Quantity:			0.0000
									Total Re	ceipt Value:			\$83.20



Magna Stainless

5775 Kieran St, Saint-Laurent, Quebec H4S 0A3 Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105

PACKING LIST

I016810 Page: 1 of 1

SOLD TO DART AEROSPACE LTD 1270 ABERDEEN STREET

HAWKESBURY

K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN STREET SPECIAL INSTRUCTIONS

, ON .

HAWKESBURY

, ON

K6A 1K7

Ship Terms: PREPAID

MTR:Y

ASA#

Contact: CHANTAL **Customer PO** Currency Sales Person Customer Phone **Customer Fax** (613) 632-1053 PO10386 (613) 632-5200 CANADIAN DOLLARS ERYCK BLAIS Ship Via Date Ordered Date Required Date Shipped

Sales Order Terms 09/17/09 09/17/09 09/10/09 W018233 NET 30 DAYS NIR:R-557065-1

Ordered	Back Ordered	Unit	Description	Bundle #	Heat #	Shipped
5		l	ALUMINUM ROUND BAR ARB 6061 T6 5/8" x R/L 12' 22 LB / 5 PC	L031280	40958004	5 5
. 1			MUST USE HT: 40958004 ARB 6061 T6 1-1/8" x R/L 20' 23 LB / 1 PC	L031281	200809164	1
5	4		STAINLESS FLATS SFL 304 HR 1/2" x 2-1/2" x R/L 12'10" 55 LB / 1 PC SFL 304 3/4" x 2-1/2" x R/L	L031282	245179	1 1 3
			12'10" 250 LB / 3 PC	L031283	244634	
			1 5/5/7			
Bundles: 2	Pieces: 1			Total	Weight:	350 LB

Received by:	Date:	Signature:
--------------	-------	------------



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO10386

Purchase Order Date 9/10/09 PO Print Date 9/10/09

Page Number 1 of 3

Order From:

MAGNA STAINLESS 5775 RUE KIERAN ST LAURENT, QC H4S 0A3 CA

VC-MAG002

Contact Name

Vendor Phone

800 363 6646

Vendor Fax

514 339 1105

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30 CAD

Currency

FOB

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
l Mo	5061T6S.250	6061T6 SHEET .250	9/10/09 Yes	2 32.00 sf	Yours ppd 1 C9/9/19	\$13.2800	\$424.96
		Special Inst:	SPEC: QC-A-250	C62 ALUMINUM S D/11 OR AMS-QC- 4025 OR AMS 40	A-		
2 ме	5061T6R0.625	6061-T6 Round Bar .625"	9/10/09 Yes	6 0.00 f	Yours, ppd	\$0.8250	\$49.50
		Special Inst:	ALUMINUM RC SPEC: QQ-A-225 (OR AMS 4117/4 200/8 OR AMS-(651/T6510/T6511/ DUND BAR 5/8 OR AMS-QQ-A 1128/4115/4116) O QQ-A-200/8 (OR A B211 OR ASTM E	s-225/8 R QQ-A- MS		
3 М6	061T6R0.750	6061-T6 Round Bar .750"	9/10/09 Yes	60.00 f	Yours ppd	\$1.2000	\$72.00

Special Inst:

SAME AS ABOVE

MATERIAL CERTIFICATION

REQ'D UPON DELIVERY

No substitution or deviation without

consent.

Certificate of Conformity or Material Certification required when applicable

Change Nbr:

3

Change Date: 9/10/09



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO10386

Purchase Order Date 9/10/09 PO Print Date 9/10/09

Page Number 2 of 3

Order From: VC-MAG002 **MAGNA STAINLESS** 5775 RUE KIERAN ST LAURENT, QC H4S 0A3 CA Contact Name Buyer Chantal Lavoie Vendor Phone 800 363 6646 Requisition Nbr Vendor Fax 514 339 1105 10127-2607 Tax Resale Nbr Vendor Account Nbr Net 30 Terms Currency CAD **FOB** NEW 20 " 12.00 Yours ppd M6061T6R1.125 6061 ROUND BAR 1.125 9/10/09 \$4.1600 \$49.92 Yes Special Inst: SAME AS ABOVE M6061T6B0.125X2.500 6061T6 BAR .125 X 2.50 9/18/09 12.00 Yours ppd \$7.6600 \$91.92 Yes f Special Inst: MAT: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR SPEC: QC-A-225/8 OR AMS-QC-A-225/8 (OR AMS 4117/4128/4115/4116) OR OC-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160) OR ASTM B211 OR ASTM B221 M6061T6B0.500X01.000 6061-T6 Bar .500 x 1.00 9/18/09 24.00 Yours ppd \$18.3300 \$439.92 Yes Special Inst: SAME AS ABOVE 6061-T6 Bar 2.00 x 3.50 7 M6061T6B2.000X03.500 9/18/09. 24.00 Yours ppd \$25.8300 \$619.92 Yes f Mw1200 Cog/7/17 Special Inst: SAME AS ABOVE M304B0.500X2.500 304 BAR .500 x 2.50 9/10/09 60.00 Yours ppd \$15.0000 \$900.00 Yes f

MATERIAL CERTIFICATION REQ'D UPON DELIVERY

Special Inst:

MAT: AISI 304/316 STAINLESS STEEL BAR (NOTE: AISI 303 NOT APPLICABLE)

> No substitution or deviation without consent.

Certificate of Conformity or Material Certification required when applicable

Change Nbr:

3

Change Date: 9/10/09



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO10386

Purchase Order Date 9/10/09 PO Print Date 9/10/09

Page Number 3 of 3

Order From:

VC-MAG002

MAGNA STAINLESS 5775 RUE KIERAN ST LAURENT, QC H4S 0A3 CA

Contact Name

Vendor Phone

800 363 6646

Vendor Fax

514 339 1105

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms Currency Net 30 CAD

FOB

M304B0.750X2.500

304 BAR .750 X 2.50

9/10/09

48.00 Yours ppd

\$27.9200

\$1,340.16

Yes

36.30 Cos/4/19

Special Inst:

SAME AS ABOVE

10 M304S11GA

304/316 0.125 Sheet

9/10/09

Yes

128.00

sf

Yours ppd

\$10.4700

\$1,340.16

Special Inst:

MAT: AISI 304/316 SS SHEET

ANNEALED 28 FINISH

SPEC: MIL-S-5059 OR AMS 5513(304) OR AMS 5524 (316) OR ASTM A240 OR

ASME SA240

PO Total:

\$5,328.46

MATERIAL CERTIFICATION **REQ'D UPON DELIVERY**

No substitution or deviation without consent.

Certificate of Conformity or Material Certification required when applicable

Change Nbr:

3

Change Date:

9/10/09

PANASIA ALUMINIUM (CHINA) LIMITED

Aluminium Mill Certificate

Cert. No.: PAAV-MC0809092

ASA Alloys Inc

PO No.: Contract No.: Alloy & Temper: 6061-T6611

Standards: ASTM-B221

Container No.: Date of shipment:

				Chemical C	omposition	(%)			
Heal No.	Si	Mg	Fe	Cu	Min	Žn	Cr		A
Standard	0.40-0.80	0.80-1.20	0.7max.	0.15-0.40	0.15max	0,25max.	0.04-0.35	0.15max.	Rem
1080906102	0.676	0.862	0.236	0.191	0.036	0.040	0.099	0.010	Ren
080917601	0.678	0.867	0.234	0.192	0.033	0.035	0.092	0.012	Ren
080912302	0.672	0.865	0.237	0,197	0.034	0.039	0.097	0.013	Rea
080917601	0.678	0.867	0.234	0.192	0.033	0.035	0.092	0.012	Ren
080916403	0.679	0.869	0.230	0.198	0.035	0.034	0:094	0.017	Ren
080915302	0,673	0.864	0.238	0.195	0.031	0.037	0.096	0.015	Ren
080916403	0.679	0.869	0.230	0.198	0.035	0.034	0.094	0.017	Ren
								$1 \cdot 1 \cdot \cdot \cdot$	
							~ o'	0110015	
				Tensile 1	esteresula		enter the second		Addition to

(100 to 100 to 1	Parketti in garvanese		Tensile Test Result		Del Common				
Heat No.	Die No	Customer part No.	Description	Tensile Strength		Yie Strer	4000 0.0	Elengation	
				N/mm²		N/mm²	Ksi		
				260 min	38min.	240 min	35min.	10 mm	
20080906102	F10011		√ 1/2x4 Flat ber Sharp Corner	290	42	255	37	12.1	
20080917601	P10000064		4" Sch 80 Pipe	285	42	255	37	12.5	
20080912302			✓ 2 1/2 Dia Round Bar	285	42	265	39	12.3	
20080917601	R10000015		2 3/4 Dia Round Bar	295	43	265	39	12.0	
20080916403	R10000024		1-1/6" Dia Round Bar	295	43	260	38	124	
20080915302	R10001		11/2" Dia Round Bar	290	42	260	38	12.2	
20080916403	F10004		€ 1/2 x 3 Flat bar Sharp Corner	290	42	265	39	12.0	
20080916403	R10002		2" Dia Round Bar	285	42	260	38	12.4	
							,		

		Hardness Test Result
Section No.	6K54	Webster Other Remarks
F10011	90	
P10000064	90	15.3
R10007	91	45.6
R10000015	91	13.6
R10000024	92	
R10001	90	
F10004	91	16.6
R10002	91	156

The above result was done on testing samples and the mit shall guarantee the same quality for conforms in all respects to the requirements of the above standards latest revision.

QC: Xiaotuan Zhang



Acciaierie Valbruna s.p.A.





CERTIFICATO DI COLLAUDO ABNAHMEPRUEFZEUGNIS INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2005), 3.1

36100 VICENZA (Italia) - Viale della scienza, 25 z.i. Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Bestoffer/Purchasou/Client VALBRUNA CANADA LTD 8724 HOLGATE CRESCENT CDN-MILTON, ONT L5T 5Z1-CAN

Produttore: ACCIAIERIE VALBRUNA S.P.A. Hersteller/Rem/Usine produtrice

Oggetto Prove: Descaled Annealed Hotroiled

Avviso di Spedizione: D-Vi08014292 Lieferanzeige/Packing %s/B.L.

Ordine nr: 805001970 STOCK

Tipo di Elaborazione: E+AOD

Certificato nr: MEST632454/2008/

Conferma ordine nr: El08008070

Marchio di Fabbrica: Zeichen des Liefernwerkes Trade mark Sigle de Fusine produtrice

Punzone del Collaudatore: Stempel des Workssachversländigen Inspector's stamp/Poincon de l'assaye



Specifiche:

VAL CANADA 2 304/304L A ASME SA182 2007 S30400/03 0 ASME SA479 2007 S30400/03 3 ASTM A262 2002A PRACTICE E ASTM A320 2007A B8 NACE MR0175* 2003 S30400/03 A 5 (0) SEC.II PT.A 2007 EDITION

(1) SEC.II PT.A 2007 EDITION (3) SEC.II PT.A 2007 EDITION (5) * ISO 15156-3

AMS 5639 H S30400 ASME SA193 2007 B8 1 ASTM A182 2007A S30400/03 4 ASTM A276 2006 S30400/03 ASTM A479 2006A S30400/03 QQ-S-763 F 304/304L

OChemical analysis only. 2SEC.II PT.A 2007 EDITION 4Chemical analysis only.

AMS 5647 H S30403 ASME SA320 2007 B8 (2) ASTM A193 2007 B8 ASTM A314 97 S30400/03 MIL-S-862 B/1 304/304L

Qualitá: T-304L

Marca: AISL

Punzonatura: T-304L

				- Jenny Granning Brassing Brassin	augu			
Pos. nr. Pos. nr. Item nr. Nr. de poste	Oggetto Gegenstand Product description Descrip, du produit		Tolleranza Tolleranz. Allowance Tolerance	Lunghezza - Ft Lange Langth Longueur	Colata Schmelze Heat Coulée	Pezzi Stückzahi Pieces Pieces	Peso - LB Gewicht Weight Poids	Lotto nr. Losm. Lot m. Lot nr.
0040	Flat	2,5000 x 0,5000	484-06B	12 / 13	245179		3.104	707600210

Sono state soddisfatte tutte le condizioni richieste Die gestellen Anlorderungen sind it. Anlage erfüllt The material has been furnished in accordance with the requirements Le materiel à eté trouvé conforme aux exigences

Controllo antimescolanza: OK nstungprüfung: spectratan ng testing performed: OK

Controllo visivo e dimensionale: soddista le esigenze:

TEST	Provetta/Probestab Specimen/Eprouvotte Largidiam Spess. Servite Objetto, Oktobe Width Diam, Thickness Largidiam, epols MITTI	۰F	Posiz. Saggio	Snervamento Stredgrenza Yield Stress Unite offstique Rp 0,2% k.s.i.	Snervamento Strackgranzo Yield Shess Umite classique	Resistenza Zughestigkait Tensile strength Resistance & traction Rm k.s.i.	Backd	amento Propries E 4d %	Einsch Reductio Sei	zione mining on di ama crion RA %	Kerbs:	ilienza chiegarbeti ct Value chitence		Durezza Nazne Hadness Dente HB
Anlenden	ori richiesti 1 Ingenffequired values ruro deminides	mi ma		30	-	75 115	-	40	+	50	•		140 223	
_ A	12,5	68	L	47		91		58		67			179	

Grain size for ASTM E112

Analisi chimica

	Colata Most Schmolze/Coulée			2,00	18,00 20,00	1,00	1,00	8,00 10,50	-	0.040	0,030	0,100	-	<u>.</u>	:
		C%	Si,%	Mn %	Cr %	Mc %	Cu %	Ni %	Cc %	P %	S%-	N %			
ĺ	245179	0,020	0,42	1,67	18,10	0,54	0,48	8,22	0,100	0,031	0,029	0.081		`	

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Annealing temperature: 1940°F for 0.5 h/water.

Micro and macro etch test: OK

Intergranular corrosion test per ASTM A262 pract. E: ok.

Material is DFARS Compliant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury or radio-activity contamination The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1.s.,4.3 by TUEV and LLOYO'S

Il collaudatore di stabilimento / der Werkssachverständige//Works inspector / L'agent d'usine Vicenza,21/05/08 Pagina - 1 di 1 VCQ008 M. Rizzoty June (Mod. MCER)

Acciaierie Valbruna s.p.A.





36100 VICENZA (Italia) - Viale della scienza, 25 z.i. Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

VALBRUNA CANADA LTD 8724 HOLGATE CRESCENT CDN-MILTON, ONT L5T 5Z1-CAN

Produttore: ACCIAIERIE VALBRUNA S.P.A.

Oggetto Prove: Descaled Annealed Hotrolled

Avviso di Spedizione: D-V107012330 Lieferanzeige/Packing list/B.L.

Ordine nr: 701001750 STOCK

Ting di Flahorazione: F+AOD

CERTIFICATO DI COLLAUDO **ABNAHMEPRUEFZEUGNIS** INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2005), 3.1

Certificato nr: MEST484611/2007

Conferma ordine nr. El07000392

Marchio di Fabbrica: Zeichen des Liefernwerkes Trade mark Sigle de l'usine produtrice

AMS 5647 H S30403

ASME SA320 2004 B8 (2)

ASTM A314 97 S30400/03

MIL-S-862 B/1 304/304L

ASTM A193 2006A B8

Punzone del Collaudatore:



Specifiche: Anlarderungen / Requ

VAL CANADA 2 304/304L A ASME SA182 2004 S30400/03 o ASME SA479 2004 S30400/03 a ASTM A262 2002A PRACTICE E ASTM A320 2005A B8

NACE MR0175° 2003 S30400/03 A s (0) SEC.II PT.A 2004 EDITION ADD 2006 (1) SEC.II PT.A 2004 EDITION ADD 2006 (3) SEC.II PT.A 2004 EDITION ADD 2006

(5) * ISO 15156-3

ASME SA193 2004 B8 1 ASTM A182 2006 \$30400/03 4 ASTM A276 2006 S30400/03 ASTM A479 2006 S30400/03 QQ-S-763 F 304/304L

AMS 5639 H S30400

OChemical analysis only. 2SEC.II PT.A 2004 EDITION ADD 2006 4Chemical analysis only.

Qualitá: T-304L

Marca: AISL

Punzonatura: T-304L

				venusincumungkwantingkwandi	rage				
	Oggetto Gegenstend Product description Descrip. du produit		Tolleranza Tolleranza Allowanze Tolerance	Lunghezza - Ft Lange Length Longuour	Colata Schmelze Heat Coulés	Pezzi Stückzahl Pieces Pieces	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr. Lot m. Lot nr.	
 · 0100.	Flat	2,5000 x 0,7500	484-05A	12 / 13	244634		2.674	629100880	1

Sono state soddisfatte tutte le condizioni richieste

Controllo antimescolanza: OK DBO extramoses spectralar islungprofung: spectralar ing testing performed: OK entimetange felt: r.a.a.

Controllo visivo e dimensionale: soddisfa le esigenze: Besichtgung und Ausmessung: ohne Beanstandung Visual inspection and dimensional chocks:satisfactory

	TEST	Provetta/Protestati Specimen/Eprouvage Largidism Spess. Berist Osan, Origie Width Diam, Thickness Largidism, epale MM	۰F	Posiz. Sappio	Snervamento Startgenza Yield Stress Limits elstrique Rp 0,2% k.s.i.	Snervamento Stredgrenze Vield Stress Limito etastique	Resistenza Zugrastigheit Ternale strength Resistance a traction Rtts k.s.i.	Allunga Bruchd Elong Allong	ation	Einsch Redubie Syn	rione norms or desa scion RA	Ke	esilienz reschagart npact Value Rasilience	elt.		Durezza Haerte Herdness Durata HB	1
	- Antonden	ri richiesti 1 ngen/Regulad values uns démandées	mi ma		30		75 115	-	40	•	50		-			140 223	
. [Α	12,5	68	L	47		90		59		68		:		179		

Grain size for ASTM E112

Analisi chimica

	Colata //tea Schmelze/Coulée		1,00	- 2,00	18,00 20,00	1,00	- 1,00	8,00 10,50	-	0,040	0,030	0,100	:	-	-	
		С%	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P%	S %	N %				
i	244634	0,017	0,52	1,76	18,31	0,42	0,48	8,09	0,100	0,030	0,030	0,088	ļ. — ——————————————————————————————————			

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Annealing temperature: 1960°F for H/H2O.

Micro and macro etch test: OK

Intergranular corrosion test per ASTM A262 pract. E: ok.

Material is DFARS Compliant

Meited and manufactured in Italy Material free from Mercury or radio-activity contamination No welding or weld repair The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1,s.,4.3 by TUEV and LLOYD'S

ll collaudatore di stabilimento / der Werkssachverständige//Works inspector / L'agent d'usine Vicenza, 20/04/07 Pagina - 1 di 1 M.Rizzotla (Mod. MCER)





CERTIFIED TEST REPORT

http://Certs.KaiserAluminum.com

11633

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 14020 S. COIL PLUS DR UNIT 100 PLAINFIELD. IL 60544

CUSTOMER PO NUMBER:		CUSTOMER	PART NUMBER:	PRODUCT DESCRIPTION	√ :	
080352-RK-2		557/STK		0.625 ROD +/004	TOL	
KAISER ORDER NUMBER:	LINE ITEM:		SHIP DATE:	KAISER LOT NUMBER:	ALLOY:	TEMPER:
9038431	002		05/28/2009	40958 004	6061	T6511B
WEIGHT SHIPPED:	QUANTITY:		B/L NUMBER:	DIAM/DAF/THKNS:	WIDTH:	LENGTH:
502.000 LB	116.000 F	PCS	952663			12.000 FT
SHIP TO: ASA ALLOYS INC DIVISION OF CSM 81 STEINWAY BLV ETOBICOKE, ON N	D D	CANADA		ASA ALLOYS INC DIVISION OF CSM 81 STEINWAY BL ETOBICOKE, ON	/ INC	A Solvoles

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	%Elong in 2	HARDN	ESS	CONDUCT.	BEND
XTR082790	0001	1	47.2	41.7	15.0	RE	90	N/A	N/A
XTR082790	0001	2	46.7	40.8	16.5	RE	90	N/A	N/A
XTR082790	0001	3	47.1	41.6	16.5	RE	90	N/A	N/A
XTR082790	0001	4	47.1	41.3	16.5	RE	90	N/A	N/A
XTR082790	0001	5	46.2	41.2	16.5	RE	90	N/A	N/A
XTR082790	0001	6	47.6	41.4	16.5	RE	90	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40		0.15		0.8	0.04			NA	NA	NA		

Applicable Requirements:

PER ASTM-B221-06,*NO STENCIL* ASME-SB221 1998 SECT II PER AMS-QQ-A-200/8 UNS#6061 MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511 ELEVATED MINIMUM MECHANICAL PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA (SHERMAN, TX) MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Tone G. Small, Jr., QA Manager

Plant Serial: 00249542

Kaiser Order Number: 9038431

Line Item: 002

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